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**2 Rule responder: RuleML-based agents for distributed collaboration environments**
**Adrian Paschke, Harold Boley, Alexander Kozlenkov, Benjamin Craig**
**Publisher:** ACM

 Full text available: Pdf (681.78 KB) Additional Information: [full citation](#), [at](#)
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The Rule Responder project ([responder.ruleml.org](http://responder.ruleml.org)) extends the Semantic Web paradigm to support collaborative human-computer networks. These allow semi-automated agents to interact in pragmatic contexts, ...

**Keywords:** complex event processing, coordination, multi agent system representation languages, rule interchange format

**3 Chimera: hypermedia for heterogeneous software development environments**
**Kenneth M. Anderson, Richard N. Taylor, E. James Whitehead, Jr.**
**July 2000** [Transactions on Information Systems \(TOIS\)](#), Volume 18

**Publisher:** ACM 

 Full text available: Pdf (864.32 KB) Additional Information: [full citation](#), [at](#)
**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 53, Download

Emerging software development environments are characterized by heterogeneous stores, user interfaces, and tools. This paper presents an approach for supporting heterogeneous setting. Central ...

**Keywords:** heterogeneous hypermedia, hypermedia system architecture, software development environments

**4 Service oriented architectures: approaches, technologies and research issues**
**Mike P. Papazoglou, Willem-Jan Heuvel**
**July 2007** [The VLDB Journal — The International Journal on Very Large Data Bases](#)
**Publisher:** Springer-Verlag New York, Inc.

 Full text available: Pdf (818.68 KB) Additional Information: [full citation](#), [at](#)
**Bibliometrics:** Downloads (6 Weeks): 255, Downloads (12 Months): 2677, Download

Service-oriented architectures (SOA) is an emerging approach that adds standards-based, and protocol-independent distributed computing. Typically comprise a number of invocations ...

**Keywords:** Application and service integration, Asynchronous and event-oriented architecture, Web services

**5 Computing curricula 2001**

 [CORPORATE The Joint Task Force on Computing Curricula](#)

 September 2001 [Journal on Educational Resources in Computing \(JER\)](#)

**Publisher:** ACM 

Full text available:  [Html \(2.78 KB\)](#)  [Pdf \(613.63 KB\)](#) Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 94, Downloads (12 Months): 1187, Download

**6 Experiences with recombinant computing: Exploring ad hoc interoperability**

 W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor F. Smith

 April 2009 [Transactions on Computer-Human Interaction \(TOCHI\)](#)

**Publisher:** ACM 

Full text available:  [Pdf \(3.34 MB\)](#) Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 153, Download

This article describes an infrastructure that supports the creation of interoperability prior agreements about the specific forms of communication between the parties in a set of "meta-interfaces"—agreements ...

**Keywords:** Mobile code, Objeto, Speakeasy, discovery, infrastructure, interoperability, mobile computing, user interfaces

**7 Asynchronous information space analysis architecture using content delivery networks**

 Ke-Thai Yao, In-Young Ko, Ragy Eleish, Robert Neches

 June 2000 [DL '00: Proceedings of the fifth ACM conference on Digital libraries](#)

**Publisher:** ACM 

Full text available:  [Pdf \(470.15 KB\)](#) Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 48, Download

Our project focuses on rapid formation and utilization of custom collections of information items. Assembling such collections, as well as organizing and analyzing them, requires sophisticated ...

**Keywords:** asynchronous service access, component architecture, content delivery network, content distribution network, information analysis, information management, metadata

**8 Simulation in the international IMS MISSION project: the IMS MISSION simulation**

Charles McLean, Frank Riddick

December 2000 [WSC '00: Proceedings of the 32nd conference on Winter simulation](#)

**Publisher:** Society for Computer Simulation International

Full text available:  [Pdf \(269.47 KB\)](#) Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 31, Download

This paper presents an overview of a neutral reference architecture for ...

**9 What does aspect-oriented programming mean to Cobol?**

Ralf Lämmei, Kris De Schutter

March 2005 **AOSD '05: Proceedings of the 4th international conference o**

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Full text available: [Pdf \(172.28 KB\)](#)

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We study AOP in the context of business programming with Cobol. We f in Cobol programs? What is advice? Does classic Cobol provide any conse crosscutting ...

**Keywords:** Cobol, aspect-oriented programming, business programmir

**10 A REST protocol and composite format for interactive web documen**

John M. Boyer, Charles F. Wiecha, Rahul P. Akolkar

September 2009 **DocEng '09: Proceedings of the 9th ACM symposium on D**

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Documents allow end-users to encapsulate information related to a coll be saved, emailed, digitally signed, and used as the basis of interaction documents are ...

**Keywords:** collaboration, document-centric, html, odf, rich internet appli

**11 Engineering ab initio dynamic interoperability and composability via c**

Levent Yilmaz, Andreas Tollk

December 2006 **WSC '06: Proceedings of the 38th conference on Winter sim**

Publisher: Winter Simulation Conference

Full text available: [Pdf \(246.10 KB\)](#)

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Complex software intensive simulation systems must respond to chang Hence, dynamic extensibility and adaptability is a significant concern in interoperability and ...

**12 Web services enterprise security architecture: a case study**

Carlos Gutiérrez, Eduardo Fernández-Medina, Mario Plattini

November 2005 **SWS '05: Proceedings of the 2005 workshop on Secure we**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf \(341.82 KB\)](#)

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Web Services (WS hereafter) Security is a crucial aspect for technologie adopted by the industry. As a consequence, a lot of initiativesof initiativ their main purpose ...

**Keywords:** security, software architecture, software development proc

**Type-safe multithreading in cyclone**

Dan Grossman

January 2003 **TLDI '03: Proceedings of the 2003 ACM SIGPLAN international implementation****Publisher:** ACM  Request PermissionsFull text available:  Pdf (228.33 KB)Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 42, Download

We extend Cyclone, a type-safe polymorphic language at the C level of can violate type safety in Cyclone. An extended type system statically g shared data ...

**Keywords:** cyclone, data races, types

Also published in:

March 2003 **SIGPLAN Notices** Volume 38 Issue 3**14 The Conquest file system: Better performance through a disk/persist**

An-I Andy Wang, Geoff Kuenning, Peter Reiher, Gerald Pepek

August 2006 **Transactions on Storage (TOS)** , Volume 2 Issue 3**Publisher:** ACM  Request PermissionsFull text available:  Pdf (1.34 MB)Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 194, Download

Modern file systems assume the use of disk, a system-wide performance caching and RAM file systems either impose high overhead to access memory to achieve data persistence ...

**Keywords:** Persistent RAM, file systems, performance measurement, s**15 Deploying and managing Web services: issues, solutions, and direct**

Qi Yu, Xumin Liu, Athman Bouguettaya, Brahim Medjahed

May 2008 **The VLDB Journal — The International Journal on Very****Publisher:** Springer-Verlag New York, Inc.Full text available:  Pdf (903.96 KB)Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 192, Downloads (12 Months): 1991, Download

Web services are expected to be the key technology in enabling the next Web. In this paradigm shift, Web services would be treated as first-clas

**Keywords:** Interoperability, Service-oriented computing, Web service r**16 A framework for service-oriented computing with C and C++ Web se**

Robert A. van Engelen

May 2008 **Transactions on Internet Technology (TOIT)** , Volume 8 Issue**Publisher:** ACM  Request PermissionsFull text available:  Pdf (1.08 MB)Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 311, Download

Service-oriented architectures use loosely coupled software services to and software users. Several software engineering challenges have to be applications and specialized system ...

**Keywords:** Service-oriented computing, Web services standards

- 17 A mobile computing middleware for location- and context-aware inter...**

 Paolo Bellavista, Antonio Corradi, Rebecca Montanari, Cesare Stefanelli  
November 2006 **Transactions on Internet Technology (TOIT)**, Volume 6

**Publisher:** ACM 

Full text available:  Pdf (316.77 KB)

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**Bibliometrics:** Downloads (6 Weeks): 39, Downloads (12 Months): 355, Downl...

The widespread diffusion of mobile computing calls for novel services based on the current physical position of users (location) and the logical set of access policies ...

**Keywords:** Mobile computing, adaptive services, context awareness, location policies

- 18 Process modeling in Web applications**

 Marco Brambilla, Stefano Ceri, Piero Fraternali, Ioana Manolescu  
October 2006 **Transactions on Software Engineering and Methodology**

**Publisher:** ACM 

Full text available:  Pdf (1.17 MB)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 148, Downloads (12 Months): 1095, Downloads (6 Years): 1095

While Web applications evolve towards ubiquitous, enterprise-wide or mobile requirements, such as the capability of managing complex processes spanning multiple interconnecting software ...

**Keywords:** Web applications, Web engineering, conceptual modeling, visualization

- 19 Exporting and interactively querying Web service-accessed sources**

 Michalis Petropoulos, Alin Deutsch, Yannis Papakonstantinou, Yannis Katsis  
November 2007 **Transactions on Database Systems (TODS)**, Volume 32 Issue 1

**Publisher:** ACM 

Full text available:  Pdf (1.80 MB)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 106, Downloads (6 Years): 106

The CLIDE System assists the owners of sources that participate in Web services in defining and publishing their schema. It provides them with a restricted set of parameterized queries over the schema of their sources. Sources may be relational ...

**Keywords:** Middleware, Web services, limited access patterns, query rewriting

- 20 Checking type safety of foreign function calls**

 Michael Furr, Jeffrey S. Foster  
July 2008 **Transactions on Programming Languages and Systems**

**Publisher:** ACM 

Full text available:  Pdf (1.32 MB)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 123, Downloads (6 Years): 123

Foreign function interfaces (FFIs) allow components in different languages to interact. FFIs are useful, they often require writing tricky low-level code and include

**Keywords:** FFI, Foreign function interface, JNI, Java, Java Native Inter  
system, foreign function calls, multilingual type inference, multilingual t

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